

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A polarizing glass comprising geometrically anisotropic particles dispersed in an oriented manner in at least the surface of a glass base body, wherein the glass base body is denoted by the weight percentages of

50-65 percent SiO_2 ,
15-22 percent B_2O_3 ,
0-4 percent Al_2O_3 ,
2-8 percent ZrO_2 ,
6 percent $< \text{Al}_2\text{O}_3 + \text{ZrO}_2 < 12$ percent,
6-16 percent R_2O (where R denotes at least one from among Li, Na, and K),
0-3 percent Li_2O ,
0-9 percent Na_2O ,
4-16 percent K_2O ,
 $\text{Li}_2\text{O} + \text{Na}_2\text{O} < \text{K}_2\text{O}$,
0-7 percent BaO and/or SrO, and
0-3 percent TiO_2 ;

comprises per 100 weight percent of essentially the above composition at least 0.15-1.0 percent Ag and at least the chemical equivalent to Ag of Cl and/or Br; and the geometrically

anisotropic silver particles are metallic Ag particles, and said glass substantially does not comprise CuO and CeO₂.

2. (original): The polarizing glass according to claim 1 wherein the glass comprises 0.5-5 weight percent BaO.

3. (canceled).

4. (previously presented): The polarizing glass according to claim 1 wherein the glass substantially does not exhibit photochromic characteristics.

5. (original): The polarizing glass according to claim 1 wherein the glass comprises 1-3.5 weight percent Al₂O₃.

6. (original): The polarizing glass according to claim 1 wherein the glass comprises 4-7 weight percent ZrO₂.

7. (original): The polarizing glass according to claim 1 wherein the glass comprises 7-10 weight percent Al₂O₃ and ZrO₂.

8. (withdrawn): A process for preparation of a polarizing glass comprising steps of;
heat treating a shaped glass having the composition denoted by the weight percentages of
50-65 percent SiO₂,
15-22 percent B₂O₃,
0-4 percent Al₂O₃,
2-8 percent ZrO₂,
6 percent < Al₂O₃ + ZrO₂ <12 percent,
6-16 percent R₂O (where R denotes at least one from among Li, Na, and K),

0-3 percent Li_2O ,

0-9 percent Na_2O ,

4-16 percent K_2O ,

$\text{Li}_2\text{O} + \text{Na}_2\text{O} < \text{K}_2\text{O}$,

0-7 percent BaO and/or SrO , and

0-3 percent TiO_2 ;

comprising per 100 weight percent of essentially the above composition at least 0.15-1.0 percent Ag and at least the chemical equivalent to Ag of Cl and/or Br to deposit out silver halide particles;

drawing the glass to elongate the silver halide particles in the glass; and

reducing at least part of the elongated silver halide particles in the glass to form geometrically anisotropic silver particles.

9. (withdrawn): The process for preparation of claim 8 wherein the shaped glass is polished and/or etched.